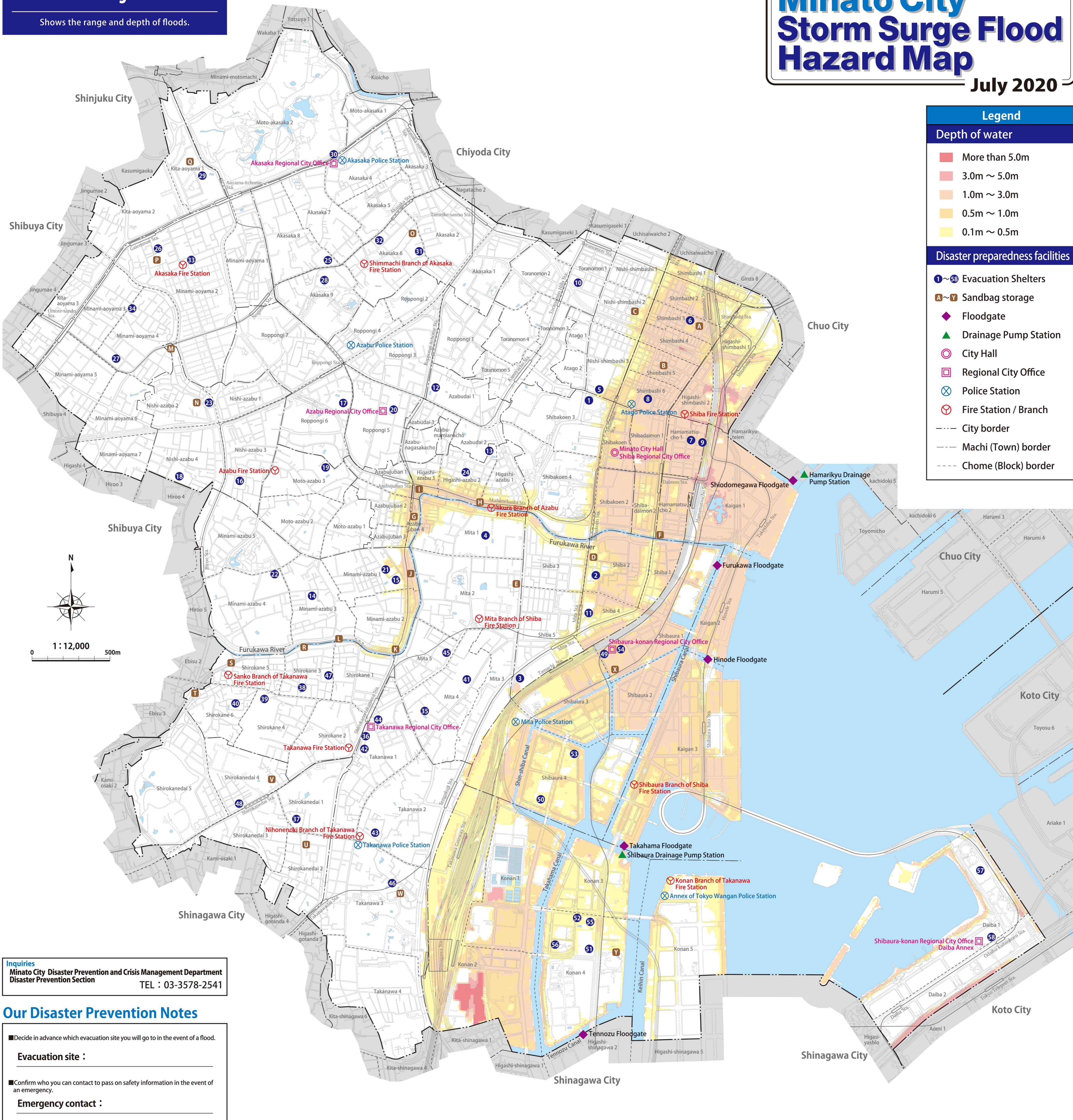


Possible storm surge flood area chart

Shows the range and depth of floods.

Minato City Storm Surge Flood Hazard Map

July 2020



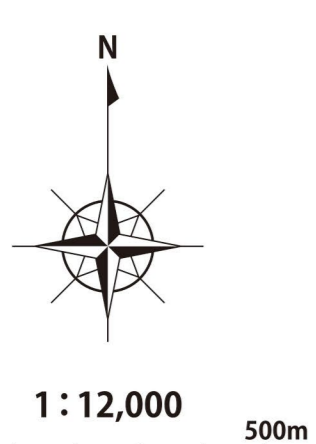
Legend

Depth of water

- More than 5.0m
- 3.0m ~ 5.0m
- 1.0m ~ 3.0m
- 0.5m ~ 1.0m
- 0.1m ~ 0.5m

Disaster preparedness facilities

- 1~68 Evacuation Shelters
- A~Y Sandbag storage
- Floodgate
- Drainage Pump Station
- City Hall
- Regional City Office
- Police Station
- Fire Station / Branch
- City border
- Machi (Town) border
- Chome (Block) border



Inquiries
Minato City Disaster Prevention and Crisis Management Department
Disaster Prevention Section TEL : 03-3578-2541

Our Disaster Prevention Notes

- Decide in advance which evacuation site you will go to in the event of a flood.
- Evacuation site :
- Confirm who you can contact to pass on safety information in the event of an emergency.
- Emergency contact :

About the Minato City Storm Surge Flood Hazard Map

This "Minato City Storm Surge Flood Hazard Map" compiles information such as predictions of floodings in Minato City in the event of a "storm surge" generated by the passing of a typhoon or a low-pressure system, the mechanism of storm surge generation, and advance preparation and precautions for evacuation. We ask city residents to look at this map regularly, check for the possibility of flooding around your home, and use this to be prepared for a storm surge flood and evacuation.

What is a storm surge?

A storm surge is a significant rise in sea levels (tide levels) caused by an approaching typhoon or low-pressure system.

When a typhoon or low-pressure system approaches... Sea level rises (may breach embankments).

A rise in sea level is mainly caused by the following:

- "inverse barometer effect" by lowering of air pressure
- "wind drift effect" by the wind (Please see reverse for details.)

In particular, Tokyo is located at the innermost part of Tokyo Bay. The seawater that flows in because of wind has nowhere to drain. The land along the coast and eastern part of the city is low. Landform is susceptible to storm surges.

Possible storm surge flood area chart

The possible storm surge flood area chart shows predictions for, if flooding occurs on the coast or along a river by the maximum measurable scale of a storm surge.

Expected scale of typhoon

- Central pressure: 910hPa (Based on an expected Muroto-class typhoon) #1
- Radius: 75km (Based on an expected Isewan-class typhoon) #2
- Moving speed: 73km/h (Based on an expected Isewan-class typhoon) #2

Relation between flood depth and homes

- More than 5.0m
- 3.0~5.0m
- 1.0~3.0m
- 0.5~1.0m
- 0.1~0.5m

#1 Muroto typhoon: Typhoon that struck in 1934 and caused significant damage due to the storm surge, especially around the coastal area of Osaka Bay. Central pressure on shore was 919 hPa, the second-lowest since the Japan Meteorological Agency started keeping statistics.

#2 Isewan typhoon: Typhoon that struck in 1959 and caused significant damage due to the storm surge, especially around the coastal area of Ise Bay. Central pressure on shore was 929 hPa, the second-lowest since the Japan Meteorological Agency started keeping statistics (the lowest was 925 hPa of the "Second Muroto typhoon" (1961)), but the Isewan typhoon had a larger storm radius and faster movement speed than the Second Muroto typhoon.

In an actual storm surge situation, flooding may occur outside the expected areas or flood depth may be different from what was expected.

- Created by: Tokyo Metropolitan Government (Bureau of Port and Harbor, Bureau of Construction)
- Created on: March 30, 2018

Evacuation Shelters

When you evacuate to an evacuation shelters, check their availability status. (Minato City Office TEL : 03-3578-2111 (Main number))

Area/No.	Facility Name	Address	Area/No.	Facility Name	Address
1	Onarimon Elementary School	3-2-4 Shibakoen	30	Akasaka Civic Center	4-18-13 Akasaka
2	Shiba Elementary School	2-21-3 Shiba	31	Sun Sun Akasaka (Akasaka Kids-to-Teens Hall)	6-6-14 Akasaka
3	Fudanotsuji Square (Industrial Promotion Center)	5-36-4 Shiba	32	Aoyama Iki-iki Plaza	6-4-8 Akasaka
4	Akabane Elementary School	1-4-52 Mita	33	Aoyama Iki-iki Plaza	2-16-5 Minami-aoyama
5	Onarimon Junior High School	3-25-30 Nishi-shimbashi	34	Seinan Iki-iki Plaza	4-10-1 Minami-aoyama
6	Lifelong Learning Center	3-16-3 Shimbashi	35	Mita Elementary School	4-11-38 Mita
7	Eco Plaza	1-13-1 Hamamatsucho	36	Takanawa Civic Center	1-16-25 Takanawa
8	Welfare Plaza Sakuragawa	6-19-2 Shimbashi	37	Shirokane Elementary School	1-4-26 Shirokanedai
9	Shimmei Kids-to-Teens Hall Shimmei Iki-iki Plaza	1-6-7 Hamamatsucho	38	Former Sanko Elementary School	3-18-2 Shirokane
10	Toranomon Iki-iki Plaza	1-21-10 Toranomon	39	Shirokanedai Gakuen-Shirokanedai Elementary and Junior High School	4-1-12 Shirokane
11	Mita Iki-iki Plaza	4-1-17 Shiba	40	Former Shinno Elementary School	6-9-5 Shirokane
12	Azabu Elementary School	1-5-15 Azabudai	41	Mita Junior High School	4-13-13 Mita
13	Former Ikura Elementary School	2-1-1 Higashi-azabu	42	Takamatsu Junior High School	1-16-25 Takanawa
14	Hommura Elementary School	3-9-33 Minami-azabu	43	Takanawadai Elementary School	2-8-24 Takanawa
15	Higashimachi Elementary School	1-8-11 Minami-azabu	44	Takanawa Kids-to-Teens Hall	1-4-35 Takanawa
16	Kogai Elementary School	3-11-16 Nishi-azabu	45	Toyooka Iki-iki Plaza	5-7-7 Mita
17	Roppongi Junior High School	6-8-16 Roppongi	46	Takanawa Iki-iki Plaza	3-18-15 Takanawa
18	Koryo Junior High School	4-14-8 Nishi-azabu	47	Shirokane Iki-iki Plaza	3-10-12 Shirokane
19	Nanzan Elementary School	3-8-15 Moto-azabu	48	Shirokanedai Iki-iki Plaza	4-8-5 Shirokanedai
20	Azabu Ward Civic Center	5-16-45 Roppongi	49	Shibahama Elementary School	1-16-31 Shibaura
21	Minami-Azabu Iki-iki Plaza	1-5-26 Minami-azabu	50	Shibaura Elementary School	4-8-18 Shibaura
22	Azabu Kids-to-Teens Plaza Arisu Iki-iki Plaza	4-6-7 Minami-azabu	51	Konan Elementary School	4-3-28 Konan
23	Nishi-azabu Iki-iki Plaza	2-13-3 Nishi-azabu	52	Konan Junior High School	4-3-3 Konan
24	Ikura Iki-iki Plaza	2-16-11 Higashi-azabu	53	Shibaura-Konan Civic Center (Minato City Sports Center Gender Equality Center)	4-13-1 Shibaura
25	Akasaka Elementary School	8-13-29 Akasaka	54	Minato Park Shibaura	1-16-1 Shibaura
26	Aoyama Elementary School	2-21-2 Minami-aoyama	55	Konan Kids-to-Teens Hall	4-3-7 Konan
27	Seinan Elementary School	4-21-15 Minami-aoyama	56	Konan Iki-iki Plaza	4-2-1 Konan
28	Akasaka Junior High School	1-1-9 Kita-aoyama	57	Odiba Gakuen Kyojo Elementary and Junior High Schools	1-1-5 Daiba
29	Aoyama Junior High School	1-1-9 Kita-aoyama	58	Daiba Civic Center	1-5-1 Daiba

As of April 2022 (For the latest information, refer to Minato City Disaster Prevention Section.)

Sandbags Available

Minato City provides free sandbags so that citizens can take independent measures to prevent flooding. (Please freely take sandbags from the following locations if you need them.)

Area/Sign	Location	Address
A	Sakurada Park	3-16-15 Shimbashi
B	Shiogama Park	5-19-7 Shimbashi
C	Nanou Park	2-10-13 Nishi-shimbashi
D	Shibazono Children's Playground	2-7-12 Shiba
E	Mita 2-chome Children's Playground	2-10-7 Mita
F	Hamamatsucho 4-chome Children's Playground	2-13-3 Hamamatsucho
G	Shinhiro Park (Koyamabashi)	4-5-1 Azabujuban
H	Nakanohashi Children's Playground	1-30-1 Higashi-azabu
I	Ichinohashi Park	3-9-1 Higashi-azabu
J	Minami-Azabu 1-chome Children's Playground	1-17-29 Minami-azabu
K	Furukawabashi Children's Playground	1-7-25 Minami-azabu
L	Furukawazoi Ryokuchi Park (Shinohashi)	3-21 Minami-azabu
M	Kogai Children's Playground	2-21-12 Nishi-azabu
N	Nishi-Azabu 2-chome Shrubbery	2-24 Nishi-azabu
O	Hikawa Park	6-5-4 Akasaka
P	Aoyama Park	2-21-12 Minami-aoyama
Q	Behind Kita-Aoyama 1-chome Material Storage	1-7-33 Kita-aoyama
R	Shirokane Park	3-1-16 Shirokane
S	Sanko Children's Playground	5-12-5 Shirokane
T	Next to Okusanko Children's Playground	6-22-16 Shirokane
U	Bushogonenkai Parking Space	2-5 Shirokanedai
V	Shirokanedai 4-chome Children's Playground	4-4-14 Shirokanedai
W	Takanawa Park entrance	3-21-1 Takanawa
X	Shibaura Konan Regional City Office	TEL : 03-6400-0032
Y	Shibaura Park	1-16-25 Shibaura
Z	Konan Ryokusui Park	4-7-47 Konan

As of April 2022